IN THE CLAIMS

Please **amend** Claim 1, **cancel** Claims 7-13, and **add** Claims 14-18 as indicated:

1. (currently amended) A locking pin comprising:

a sleeve, the sleeve having:

a base, the base having:

a mating side, the mating side having:

a castled perimeter, the castled perimeter having:

a retention groove in an interior surface of the castled perimeter,

a first rotation limiting channel or pin, and

a first locked indicator on a top surface of the castled perimeter,

a projection side opposite the mating side, the projection side having:

an anti-rotation protrusion, wherein the anti-rotation protrusion is [[mate-able]] mated into a keyed opening in a first planar mount to prevent rotation of the sleeve, and

a cam opening through a central portion of the base,

an expandable projection coupled perpendicular to the projection side of the base, the expandable projection having:

a cylindrical portion coupled to the projection side of the base,

a conical portion, the conical portion having a first end that is coupled to the cylindrical portion,

an expandable opening traversing across the expandable projection to define an expandable projection interior surface, the expandable projection interior surface having:

a cam retaining bulge; and

a bullet nose coupled to a second end of the conical portion; and

a locking cam unit, the locking cam unit having:

a thumb grip,

a cam unit disk coupled to the thumb grip, the cam unit disk having:

a first side coupled to the thumb grip, the first side having:

a second locked indicator,

a retention lip, wherein the locking cam unit fits inside the cam opening of the sleeve, such that the retention lip mates into the retention groove to secure the locking cam unit inside the sleeve while allowing the locking cam unit to freely rotate, and

a second side, the second side having:

a second rotation limiting channel or pin, wherein the first rotation limiting channel or pin and the second rotation limiting channel or pin mate a pin into a channel to limit a rotation of the cam unit disk, and

a locking cam coupled to the cam unit disk, the locking cam having:

an elliptical shape having a width and two ends, and

a concave indentation in each of the two ends, wherein the width of the elliptical shape is sufficient to press and lock against one of the concave indentations against the cam retaining bulge, thus causing the expandable projection to expand outward and to prevent the locking cam unit from rotating.

2. (original) The locking pin of claim 1, wherein the locking cam provides a tactile feedback when the concave indention locks against the cam-retaining bulge.

3. (original) The locking pin of claim 1, wherein if the locking pin is inserted through the first planar mount and a second planar mount and the first and second planar mounts are contiguous, the expandable projection expands to lock the first and second planar mounts together by forcing the expandable projection against the second planar mount and by forcing the projection side of the base of the sleeve against the first planar mount.

4. (original) The locking pin of claim 1, wherein the first and second lock indicators are aligned when the concave indentation presses and locks against one of the concave indentations to lock the locking pin.

5. (original) The locking pin of claim 1, wherein the sleeve is a first color and the locking cam unit is a second color, wherein the first and second colors are selected to provide a quick visual reference identifying the locking pin as a locking pin, and the different first and second colors providing a visual cue to a user of the sleeve remaining fixed while the locking cam unit is rotated.

6. (original) The locking pin of claim 1, wherein the locking pin is composed of only material that is electrically non-conductive.

7-13. (cancelled)

14. (new) A locking pin comprising:

a sleeve, the sleeve having:

a base, the base having:

a mating side, the mating side having:

a castled perimeter, the castled perimeter having:

a retention groove in an interior surface of the castled perimeter,

a first rotation limiting channel or pin, and

a first locked indicator on a top surface of the castled perimeter,

a projection side opposite the mating side, the projection side having:

an anti-rotation protrusion, wherein the anti-rotation protrusion is mated into a keyed opening in a first planar mount to prevent rotation of the sleeve, and

a cam opening through a central portion of the base,

an expandable projection coupled perpendicular to the projection side of the base, the expandable projection having:

a cylindrical portion coupled to the projection side of the base,

a conical portion, the conical portion having a first end that is coupled to the cylindrical portion,

an expandable opening traversing across the expandable projection to define an expandable projection interior surface, the expandable projection interior surface having:

a cam retaining bulge; and

a bullet nose coupled to a second end of the conical portion; and

a locking cam unit, the locking cam unit having:

a thumb grip,

a cam unit disk coupled to the thumb grip, the cam unit disk having:

a first side coupled to the thumb grip, the first side having:

a second locked indicator,

a retention lip, wherein the locking cam unit fits inside the cam opening of the sleeve, such that the retention lip mates into the retention groove to secure the locking cam unit inside the sleeve while allowing the locking cam unit to freely rotate, and

a second side, the second side having:

a second rotation limiting channel or pin, wherein the first rotation limiting channel or pin and the second rotation limiting channel or pin mate a pin into a channel to limit a rotation of the cam unit disk, and

a locking cam coupled to the cam unit disk, the locking cam having:

an elliptical shape having a width and two ends, and

a concave indentation in each of the two ends, wherein the width of the elliptical shape is sufficient to press and lock against one of the concave indentations against the cam retaining bulge, thus causing the expandable projection to expand outward and to prevent the locking cam unit from rotating,

wherein the sleeve is a first color and the locking cam unit is a second color, and wherein the first and second colors are selected to provide a quick visual reference identifying the locking pin as a locking pin, and the different first and second colors providing a visual cue to a user of the sleeve remaining fixed while the locking cam unit is rotated.

15. (new) The locking pin of claim 14, wherein the locking cam provides a tactile feedback when the concave indention locks against the cam-retaining bulge.

16. (new) The locking pin of claim 14, wherein if the locking pin is inserted through the first planar mount and a second planar mount and the first and second planar mounts are contiguous, the expandable projection expands to lock the first and second planar mounts together by forcing the expandable projection against the second planar mount and by forcing the projection side of the base of the sleeve against the first planar mount.

17. (new) The locking pin of claim 14, wherein the first and second lock indicators are aligned when the concave indentation presses and locks against one of the concave indentations to lock the locking pin.

18. (new) The locking pin of claim 14, wherein the locking pin is composed of only material that is electrically non-conductive.